

Title (en)

RADAR DEVICE

Title (de)

RADAREINRICHTUNG

Title (fr)

SYSTEME RADAR

Publication

**EP 1467223 B1 20070912 (EN)**

Application

**EP 02715805 A 20020118**

Priority

JP 0200317 W 20020118

Abstract (en)

[origin: EP1467223A1] The present invention provides a radar device mounted on a moving object that moves along a continuous plane, having (1) a transceiver part for transmitting a signal having a main lobe in the direction of the movement of the moving object and a side lobe directed towards the continuous plane, that receives a first reflection signal from a target in the direction of the main lobe and a second reflection signal from the continuous plane in the direction of the side lobe, and (2) control processing means for detecting the frequency of a beat signal of the second reflection signal received by the transceiver part and the signal emitted by the transceiver part and for detecting information correlated to the attitude of the radar device with respect to the continuous plane based on that frequency. This enables detection of changes of mounting attitude for the moving object without requiring additional hardware. <IMAGE>

IPC 8 full level

**G01S 7/40** (2006.01); **G01S 13/34** (2006.01); **G01S 13/931** (2020.01)

CPC (source: EP US)

**G01S 7/4026** (2013.01 - EP US); **G01S 7/4034** (2021.05 - EP); **G01S 7/4056** (2013.01 - EP US); **G01S 7/4034** (2021.05 - US); **G01S 7/4082** (2021.05 - EP US); **G01S 7/4091** (2021.05 - EP US); **G01S 13/345** (2013.01 - EP US); **G01S 13/931** (2013.01 - EP US); **G01S 2013/932** (2020.01 - EP US); **G01S 2013/93271** (2020.01 - EP US)

Cited by

EP2500745A3; EP2546676A1; EP1624317A1; US7630061B2; US10852422B2; US8441394B2

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DE

DOCDB simple family (publication)

**EP 1467223 A1 20041013**; **EP 1467223 A4 20050330**; **EP 1467223 B1 20070912**; DE 60222471 D1 20071025; DE 60222471 T2 20080612; JP 4088589 B2 20080521; JP WO2003062852 A1 20050526; US 2005017891 A1 20050127; US 7061424 B2 20060613; WO 03062852 A1 20030731

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